



## SAFETY DATA SHEET

### Rainshield Flat White Pastel

According to Appendix D, OSHA Hazard Communication Standard 29 CFR §1910.1200

#### 1. Identification

##### Product identifier

**Product name** Rainshield Flat White Pastel

**Product number** RS-3360

##### Recommended use of the chemical and restrictions on use

**Application** Paint.

**Uses advised against** No specific uses advised against are identified.

##### Details of the supplier of the safety data sheet

**Supplier** See Manufacturer

**Contact Person** Milton Arnold

**Manufacturer** LANCO & HARRIS CORP.  
600 MID FLORIDA DRIVE  
ORLANDO, FL. 32824  
407-240-4000  
www.lancopaints.com

##### Emergency telephone number

**Emergency telephone** Office 407-240-4000 9 – 5 eastern M\_F  
Chemtrec 24 Hours: 800-424-9300

#### 2. Hazard(s) identification

##### Classification of the substance or mixture

**Physical hazards** Not Classified

**Health hazards** Carc. 2 - H351

**Environmental hazards** Aquatic Acute 2 - H401 Aquatic Chronic 2 - H411

##### Label elements

##### Pictogram



**Signal word** Warning

**Hazard statements** H351 Suspected of causing cancer.  
H411 Toxic to aquatic life with long lasting effects.

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### Precautionary statements

P201 Obtain special instructions before use.  
 P202 Do not handle until all safety precautions have been read and understood.  
 P273 Avoid release to the environment.  
 P280 Wear protective gloves/ protective clothing/ eye protection/ face protection.  
 P308+P313 If exposed or concerned: Get medical advice/ attention.  
 P391 Collect spillage.  
 P405 Store locked up.  
 P501 Dispose of contents/ container in accordance with national regulations.

### Contains

Titanium dioxide, diuron

### Other hazards

This product does not contain any substances classified as PBT or vPvB.

### 3. Composition/information on ingredients

#### Mixtures

<b>Limestone</b>	10-30%
CAS number: 1317-65-3	
<b>Titanium dioxide</b>	10-30%
CAS number: 13463-67-7	
<b>Silicon dioxide</b>	<1%
CAS number: 7631-86-9	
<b>diuron</b>	<1%
CAS number: 330-54-1	
M factor (Acute) = 10	M factor (Chronic) = 10
<b>Aluminum hydroxide</b>	<1%
CAS number: 21645-51-2	
<b>t-Butyl hydroperoxide</b>	<1%
CAS number: 75-91-2	
<b>Zirconium(IV) oxide</b>	<1%
CAS number: 1314-23-4	
<b>3-iodo-2-propynyl butylcarbamate</b>	<1%
CAS number: 55406-53-6	
M factor (Acute) = 10	M factor (Chronic) = 1
<b>octhlinone</b>	<1%
CAS number: 26530-20-1	
M factor (Acute) = 1	M factor (Chronic) = 10

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**Composition comments** \* The exact percentage withheld as a trade secret in accordance with 29 CFR 1910.1200.

### 4. First-aid measures

#### Description of first aid measures

<b>General information</b>	Get medical attention if any discomfort continues. Show this Safety Data Sheet to the medical personnel.
<b>Inhalation</b>	Move affected person to fresh air and keep warm and at rest in a position comfortable for breathing. Loosen tight clothing such as collar, tie or belt. Get medical attention if symptoms are severe or persist.
<b>Ingestion</b>	Rinse mouth thoroughly with water. Get medical advice/attention if you feel unwell. Do not induce vomiting unless under the direction of medical personnel.
<b>Skin Contact</b>	It is important to remove the substance from the skin immediately. In the event of any sensitization symptoms developing, ensure further exposure is avoided. Remove contamination with soap and water or recognized skin cleansing agent. Get medical attention if symptoms are severe or persist after washing.
<b>Eye contact</b>	Rinse with water. Do not rub eye. Remove any contact lenses and open eyelids wide apart. Get medical attention if any discomfort continues.
<b>Protection of first aiders</b>	First aid personnel should wear appropriate protective equipment during any rescue.

#### Most important symptoms and effects, both acute and delayed

<b>General information</b>	The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.
<b>Ingestion</b>	May cause sensitization or allergic reactions in sensitive individuals. May cause irritation. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.
<b>Skin contact</b>	May cause skin sensitization or allergic reactions in sensitive individuals. Redness. Irritating to skin. Prolonged or repeated exposure may cause the following adverse effects: May cause cancer.
<b>Eye contact</b>	Irritating to eyes.

#### Indication of immediate medical attention and special treatment needed

<b>Notes for the doctor</b>	Treat symptomatically. May cause sensitization or allergic reactions in sensitive individuals.
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### 5. Fire-fighting measures

#### Extinguishing media

<b>Suitable extinguishing media</b>	The product is not flammable. Extinguish with alcohol-resistant foam, carbon dioxide, dry powder or water fog. Use fire-extinguishing media suitable for the surrounding fire.
<b>Unsuitable extinguishing media</b>	Do not use water jet as an extinguisher, as this will spread the fire.

#### Special hazards arising from the substance or mixture

<b>Specific hazards</b>	Containers can burst violently or explode when heated, due to excessive pressure build-up.
<b>Hazardous combustion products</b>	Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

#### Advice for firefighters

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<b>Protective actions during firefighting</b>	Avoid breathing fire gases or vapors. Evacuate area. Keep upwind to avoid inhalation of gases, vapors, fumes and smoke. Ventilate closed spaces before entering them. Cool containers exposed to heat with water spray and remove them from the fire area if it can be done without risk. Cool containers exposed to flames with water until well after the fire is out. If a leak or spill has not ignited, use water spray to disperse vapors and protect men stopping the leak. Avoid discharge to the aquatic environment. Control run-off water by containing and keeping it out of sewers and watercourses. If risk of water pollution occurs, notify appropriate authorities.
<b>Special protective equipment for firefighters</b>	Wear positive-pressure self-contained breathing apparatus (SCBA) and appropriate protective clothing. Standard Firefighter's clothing including helmets, protective boots and gloves will provide a basic level of protection for chemical incidents.

### 6. Accidental release measures

#### Personal precautions, protective equipment and emergency procedures

<b>Personal precautions</b>	Wear protective clothing as described in Section 8 of this safety data sheet. No action shall be taken without appropriate training or involving any personal risk. Avoid contact with skin and eyes.
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#### Environmental precautions

<b>Environmental precautions</b>	Avoid discharge into drains or watercourses or onto the ground. Avoid discharge to the aquatic environment.
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#### Methods and material for containment and cleaning up

<b>Methods for cleaning up</b>	Wear protective clothing as described in Section 8 of this safety data sheet. Clear up spills immediately and dispose of waste safely. Small Spillages: Collect spillage. Large Spillages: Absorb spillage with non-combustible, absorbent material. The contaminated absorbent may pose the same hazard as the spilled material. Collect and place in suitable waste disposal containers and seal securely. Label the containers containing waste and contaminated materials and remove from the area as soon as possible. Flush contaminated area with plenty of water. Wash thoroughly after dealing with a spillage. Dangerous for the environment. Do not empty into drains. For waste disposal, see Section 13.
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<b>Reference to other sections</b>	For personal protection, see Section 8. See Section 11 for additional information on health hazards. See Section 12 for additional information on ecological hazards. For waste disposal, see Section 13.
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### 7. Handling and storage

#### Precautions for safe handling

<b>Usage precautions</b>	Read and follow manufacturer's recommendations. Wear protective clothing as described in Section 8 of this safety data sheet. Keep away from food, drink and animal feeding stuffs. Handle all packages and containers carefully to minimize spills. Keep container tightly sealed when not in use. Avoid the formation of mists. May cause cancer. Avoid discharge to the aquatic environment. Do not handle until all safety precautions have been read and understood. Do not handle broken packages without protective equipment. Do not reuse empty containers.
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<b>Advice on general occupational hygiene</b>	Wash promptly if skin becomes contaminated. Take off contaminated clothing and wash before reuse. Wash contaminated clothing before reuse.
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#### Conditions for safe storage, including any incompatibilities

<b>Storage precautions</b>	Store locked up. Keep only in the original container. Keep container tightly closed, in a cool, well ventilated place. Keep containers upright. Protect containers from damage.
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<b>Storage class</b>	Miscellaneous hazardous material storage.
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### Specific end uses(s)

**Specific end use(s)** The identified uses for this product are detailed in Section 1.2.

### 8. Exposure Controls/personal protection

#### Control parameters

#### Occupational exposure limits

##### **Limestone**

Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> total dust  
 Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup> respirable fraction  
 Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup> respirable fraction  
 Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> total dust  
 Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> total dust  
 Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup> respirable fraction

##### **Titanium dioxide**

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m<sup>3</sup>  
 A4  
 Long-term exposure limit (8-hour TWA): OSHA 15 mg/m<sup>3</sup> total dust

##### **Silicon dioxide**

Long-term exposure limit (8-hour TWA): OSHA 0.8 mg/m<sup>3</sup>

##### **diuron**

Long-term exposure limit (8-hour TWA): ACGIH 10 mg/m<sup>3</sup>  
 A4

##### **Aluminum hydroxide**

Long-term exposure limit (8-hour TWA): ACGIH 1 mg/m<sup>3</sup> respirable fraction

##### **Zirconium(IV) oxide**

Long-term exposure limit (8-hour TWA): OSHA 5 mg/m<sup>3</sup>  
 Long-term exposure limit (8-hour TWA): ACGIH Threshold Limit Values (TLV) 5 mg/m<sup>3</sup>  
 Short-term exposure limit (15-minute): ACGIH 10 mg/m<sup>3</sup>

OSHA = Occupational Safety and Health Administration.  
 ACGIH = American Conference of Governmental Industrial Hygienists.  
 A4 = Not Classifiable as a Human Carcinogen.

#### Titanium dioxide (CAS: 13463-67-7)

**Immediate danger to life and health** 5000 mg/m<sup>3</sup>

#### Silicon dioxide (CAS: 7631-86-9)

**Immediate danger to life and health** 3000 mg/m<sup>3</sup>

### Exposure controls

#### **Protective equipment**



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<b>Appropriate engineering controls</b>	Provide adequate general and local exhaust ventilation. Ensure the ventilation system is regularly maintained and tested. Good general ventilation should be adequate to control worker exposure to airborne contaminants. Observe any occupational exposure limits for the product or ingredients.
<b>Eye/face protection</b>	Wear tight-fitting, chemical splash goggles or face shield. If inhalation hazards exist, a full-face respirator may be required instead.
<b>Hand protection</b>	Wear protective gloves. The most suitable glove should be chosen in consultation with the glove supplier/manufacturer, who can provide information about the breakthrough time of the glove material. To protect hands from chemicals, gloves should comply with OSHA 1910.138 and be demonstrated to be impervious to the chemical and resist degradation. Considering the data specified by the glove manufacturer, check during use that the gloves are retaining their protective properties and change them as soon as any deterioration is detected. Frequent changes are recommended.
<b>Other skin and body protection</b>	Wear appropriate clothing to prevent any possibility of skin contact.
<b>Hygiene measures</b>	Wash hands thoroughly after handling. Wash at the end of each work shift and before eating, smoking and using the toilet. Do not eat, drink or smoke when using this product.
<b>Respiratory protection</b>	Ensure all respiratory protective equipment is suitable for its intended use and is NIOSH approved. Check that the respirator fits tightly and the filter is changed regularly. Gas and combination filter cartridges should comply with OSHA 1910.134. Full face mask respirators with replaceable filter cartridges should comply with OSHA 1910.134. Half mask and quarter mask respirators with replaceable filter cartridges should comply with OSHA 1910.134.
<b>Environmental exposure controls</b>	Keep container tightly sealed when not in use. Emissions from ventilation or work process equipment should be checked to ensure they comply with the requirements of environmental protection legislation. In some cases, fume scrubbers, filters or engineering modifications to the process equipment will be necessary to reduce emissions to acceptable levels.

### 9. Physical and Chemical Properties

#### Information on basic physical and chemical properties

<b>Appearance</b>	Liquid.
<b>Color</b>	Various colors.
<b>Odor</b>	Mild.
<b>Odor threshold</b>	Not available.
<b>pH</b>	pH (concentrated solution): 8.5 - 9.5
<b>Melting point</b>	Not available.
<b>Initial boiling point and range</b>	Not available.
<b>Flash point</b>	Not applicable.
<b>Evaporation rate</b>	Not available.
<b>Upper/lower flammability or explosive limits</b>	Not available.
<b>Vapor pressure</b>	Not available.
<b>Vapor density</b>	Not available.
<b>Relative density</b>	Lighter than air.
<b>Solubility(ies)</b>	Soluble in water.

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<b>Partition coefficient</b>	Not available.
<b>Auto-ignition temperature</b>	Not available.
<b>Decomposition Temperature</b>	Not available.
<b>Viscosity</b>	Not available.
<b>Explosive properties</b>	Not applicable.
<b>Specific Gravity (H<sub>2</sub>O = 1)</b>	1.366
<b>Oxidizing properties</b>	Not available.
<b>Coating v.o.c.</b>	37 g/l
<b>Material v.o.c.</b>	18 g/l

### 10. Stability and reactivity

<b>Reactivity</b>	There are no known reactivity hazards associated with this product.
<b>Stability</b>	Stable at normal ambient temperatures and when used as recommended. Stable under the prescribed storage conditions.
<b>Possibility of hazardous reactions</b>	No potentially hazardous reactions known.
<b>Conditions to avoid</b>	There are no known conditions that are likely to result in a hazardous situation.
<b>Materials to avoid</b>	No specific material or group of materials is likely to react with the product to produce a hazardous situation.
<b>Hazardous decomposition products</b>	Does not decompose when used and stored as recommended. Thermal decomposition or combustion products may include the following substances: Harmful gases or vapors.

### 11. Toxicological information

#### Information on toxicological effects

##### Acute toxicity - oral

**Notes (oral LD<sub>50</sub>)** Based on available data the classification criteria are not met.

##### Acute toxicity - dermal

**Notes (dermal LD<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE dermal (mg/kg)** 160,427.81

##### Acute toxicity - inhalation

**Notes (inhalation LC<sub>50</sub>)** Based on available data the classification criteria are not met.

**ATE inhalation (dusts/mists mg/l)** 26.74

##### Skin corrosion/irritation

**Animal data** Irritating.

##### Serious eye damage/irritation

**Serious eye damage/irritation** Causes serious eye irritation.

##### Respiratory sensitization

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<b>Respiratory sensitization</b>	Based on available data the classification criteria are not met.
<u><b>Skin sensitization</b></u>	
<b>Skin sensitization</b>	May cause skin sensitization or allergic reactions in sensitive individuals.
<u><b>Germ cell mutagenicity</b></u>	
<b>Genotoxicity - in vitro</b>	Based on available data the classification criteria are not met.
<u><b>Carcinogenicity</b></u>	
<b>Carcinogenicity</b>	May cause cancer.
<b>IARC carcinogenicity</b>	Contains a substance which may be potentially carcinogenic. IARC Group 2B Possibly carcinogenic to humans.
<u><b>Reproductive toxicity</b></u>	
<b>Reproductive toxicity - fertility</b>	Based on available data the classification criteria are not met.
<b>Reproductive toxicity - development</b>	Based on available data the classification criteria are not met.
<u><b>Specific target organ toxicity - single exposure</b></u>	
<b>STOT - single exposure</b>	Not classified as a specific target organ toxicant after a single exposure.
<u><b>Specific target organ toxicity - repeated exposure</b></u>	
<b>STOT - repeated exposure</b>	STOT RE 1 - H372 Causes damage to organs through prolonged or repeated exposure.
<u><b>Aspiration hazard</b></u>	
<b>Aspiration hazard</b>	Based on available data the classification criteria are not met.
<b>General information</b>	May cause cancer after repeated exposure. Risk of cancer depends on duration and level of exposure. The severity of the symptoms described will vary dependent on the concentration and the length of exposure.
<b>Inhalation</b>	No specific symptoms known.
<b>Ingestion</b>	May cause sensitization or allergic reactions in sensitive individuals. May cause irritation.
<b>Skin Contact</b>	May cause skin sensitization or allergic reactions in sensitive individuals. Redness. Irritating to skin.
<b>Eye contact</b>	Irritating to eyes.
<b>Route of entry</b>	Ingestion Inhalation Skin and/or eye contact
<b>Target Organs</b>	No specific target organs known.
<b>Medical considerations</b>	Skin disorders and allergies.

### 12. Ecological Information

<u><b>Toxicity</b></u>	
<b>Toxicity</b>	Aquatic Chronic 2 - H411 Toxic to aquatic life with long lasting effects.
<u><b>Persistence and degradability</b></u>	
<b>Persistence and degradability</b>	The degradability of the product is not known.
<u><b>Bioaccumulative potential</b></u>	
<b>Bio-Accumulative Potential</b>	No data available on bioaccumulation.
<b>Partition coefficient</b>	Not available.



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### Mobility in soil

**Mobility** No data available.

### Results of PBT and vPvB assessment

#### Other adverse effects

**Other adverse effects** None known.

### 13. Disposal considerations

#### Waste treatment methods

**General information** The generation of waste should be minimized or avoided wherever possible. Reuse or recycle products wherever possible. This material and its container must be disposed of in a safe way. When handling waste, the safety precautions applying to handling of the product should be considered. Care should be taken when handling emptied containers that have not been thoroughly cleaned or rinsed out. Empty containers or liners may retain some product residues and hence be potentially hazardous.

**Disposal methods** Dispose of surplus products and those that cannot be recycled via a licensed waste disposal contractor. Waste, residues, empty containers, discarded work clothes and contaminated cleaning materials should be collected in designated containers, labeled with their contents. Incineration or landfill should only be considered when recycling is not feasible.

### 14. Transport information

**Road transport notes** This product is not regulated for transport by Department of Transportation (DOT)

#### UN Number

**UN No. (DOT)** Not applicable.

#### UN proper shipping name

**Proper shipping name (DOT)** Not applicable.

#### Transport hazard class(es)

#### DOT transport labels

No transport warning sign required.

#### Packing group

**DOT packing group** Not applicable.

#### Environmental hazards

#### Special precautions for user

**DOT reportable quantity** Not applicable.

**DOT TIH Zone** Not applicable.

### 15. Regulatory information

#### International Regulations

#### US State Regulations

##### **California Proposition 65 Carcinogens and Reproductive Toxins**

The following ingredients are listed or exempt:

*Silicon dioxide*

Known to the State of California to cause cancer.

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*diuron*

Known to the State of California to cause cancer.

*Titanium dioxide*

Known to the State of California to cause cancer.

### Massachusetts "Right To Know" List

The following ingredients are listed or exempt:

*Zirconium(IV) oxide*

Present.

*Silicon dioxide*

Present.

*diuron*

Present.

*Limestone*

Present.

*t-Butyl hydroperoxide*

Present.

*Titanium dioxide*

Present.

### Rhode Island "Right To Know" List

The following ingredients are listed or exempt:

*diuron*

Present.

*Limestone*

Present.

*t-Butyl hydroperoxide*

Present.

*Titanium dioxide*

Present.

### Minnesota "Right To Know" List

The following ingredients are listed or exempt:

*Silicon dioxide*

Present.

*diuron*

Present.

*Limestone*

Present.

*Titanium dioxide*

Present.

### New Jersey "Right To Know" List

The following ingredients are listed or exempt:

*diuron*

Present.

*Limestone*

Present.

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*t-Butyl hydroperoxide*

Present.

*Titanium dioxide*

Present.

*3-iodo-2-propynyl butylcarbamate*

Present.

### Pennsylvania "Right To Know" List

The following ingredients are listed or exempt:

*Silicon dioxide*

Present.

*diuron*

Present.

*Limestone*

Present.

*t-Butyl hydroperoxide*

Present.

*Titanium dioxide*

Present.

### Inventories

#### Canada - DSL/NDSL

All the ingredients are listed or exempt.

#### US - TSCA

All the ingredients are listed or exempt.

### 16. Other information

<b>Training advice</b>	Only trained personnel should use this material.
<b>Revision comments</b>	Updated to meet OSHA updated GHS Standard.
<b>Issued by</b>	Milton Arnold
<b>Revision date</b>	7/20/2016
<b>Revision</b>	2
<b>SDS No.</b>	4716
<b>SDS status</b>	Approved.
<b>Hazard statements in full</b>	H351 Suspected of causing cancer. H401 Toxic to aquatic life. H411 Toxic to aquatic life with long lasting effects.
<b>End of SDS</b>	XXx

This information relates only to the specific material designated and may not be valid for such material used in combination with any other materials or in any process. Such information is, to the best of the company's knowledge and belief, accurate and reliable as of the date indicated. However, no warranty, guarantee or representation is made to its accuracy, reliability or completeness. It is the user's responsibility to satisfy himself as to the suitability of such information for his own particular use.

